



0590
04/18

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/748,038A
Source: PIPE
Date Processed by STIC: 4-17-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/748,038A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering
The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length
Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES)
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES)
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 ✓ Use of n's or Xaa's
 (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ✓ Use of <220>
Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

Does Not Comply
Corrected Diskette Needed



OIPE

RAW SEQUENCE LISTING

DATE: 04/17/2003

PATENT APPLICATION: US/09/748,038A

TIME: 09:53:29

Input Set : A:\SBI-042-CIP (SN 09-748,038) Nucleotide Sequence.txt

Output Set: N:\CRF4\04172003\I748038A.raw

3 <110> APPLICANT: Benedict, James J.
4 Raniere, John P.
5 Whitney, Marsha L.
6 Akella, Rama
W--> 7 <120> TITLE OF INVENTION: Method of Promoting Natural Bypass
W--> 8 <130> FILE REFERENCE: SBI-042-CIP
W--> 9 <140> CURRENT APPLICATION NUMBER: US 09/748,038A
10 <141> CURRENT FILING DATE: 2000-12-22
11 <150> PRIOR APPLICATION NUMBER: 09/173,989
12 <151> PRIOR FILING DATE: 1998-10-16
W--> 13 <160> NUMBER OF SEQ ID: 31
14 <170> SOFTWARE: Microsoft Word 97

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

ERRORED SEQUENCES

E--> 15 <210> SEQ ID NO: SEQ ID NO: 1
16 <211> LENGTH: 11
17 <212> TYPE: PRT
18 <213> ORGANISM: Artificial sequence
W--> 19 <220> FEATURE:
W--> 20 <221> NAME/KEY: Xaa
21 <222> LOCATION: (1)...(1)
W--> 22 <223> OTHER INFORMATION:
E--> 22 <400> SEQUENCE: 1
W--> 23 Xaa Leu Ala Ala Ala Gly Tyr Asp Val Glu Lys
24 1 5 10
E--> 26 <210> SEQ ID NO: SEQ ID NO: 2
27 <211> LENGTH: 11
28 <212> TYPE: PRT
29 <213> ORGANISM: Artificial sequence
W--> 30 <220> FEATURE:
W--> 30 <223> OTHER INFORMATION:
E--> 30 <400> SEQUENCE: 2
31 Ala Leu Ala Ala Ala Gly Tyr Asp Val Glu Lys
32 1 5 10
E--> 34 <210> SEQ ID NO: SEQ ID NO: 3
35 <211> LENGTH: 11
36 <212> TYPE: PRT
37 <213> ORGANISM: Artificial sequence
W--> 38 <220> FEATURE:
W--> 38 <223> OTHER INFORMATION:
E--> 38 <400> SEQUENCE: 3

remove from all sequences. This will be automatically added by program.

See item # 11 on ERROR SUMMARY SHEET

See item # 9 on ERROR SUMMARY SHEET

RAW SEQUENCE LISTING

DATE: 04/17/2003

PATENT APPLICATION: US/09/748,038A

TIME: 09:53:29

Input Set : A:\SBI-042-CIP (SN 09-748,038) Nucleotide Sequence.txt

Output Set: N:\CRF4\04172003\I748038A.raw

```

39 Ser Leu Glu Lys Val Cys Ala Asp Leu Ile Arg
40 1 5 10
E--> 42 <210> SEQ ID NO: SEQ ID NO: 4
43 <211> LENGTH: 14
44 <212> TYPE: PRT
45 <213> ORGANISM: Artificial sequence
W--> 46 <220> FEATURE:
W--> 46 <223> OTHER INFORMATION:
E--> 46 <400> SEQUENCE: 4
47 Val Val Cys Gly Met Leu Gly Phe Pro Ser Glu Ala Pro Val
48 1 5 10
E--> 50 <210> SEQ ID NO: SEQ ID NO: 5
51 <211> LENGTH: 14
52 <212> TYPE: PRT
53 <213> ORGANISM: Artificial sequence
W--> 54 <220> FEATURE:
W--> 54 <223> OTHER INFORMATION:
E--> 54 <400> SEQUENCE: 5
55 Val Val Cys Gly Met Leu Gly Phe Pro Gly Glu Lys Arg Val
56 1 5 10
E--> 58 <210> SEQ ID NO: SEQ ID NO: 6
59 <211> LENGTH: 15
60 <212> TYPE: PRT
61 <213> ORGANISM: Artificial sequence
W--> 62 <220> FEATURE:
W--> 62 <223> OTHER INFORMATION:
E--> 62 <400> SEQUENCE: 6
63 Ser Thr Gly Val Leu Leu Pro Leu Gln Asn Asn Glu Leu Pro Gly
64 1 5 10 15
E--> 66 <210> SEQ ID NO: SEQ ID NO: 7
67 <211> LENGTH: 20
68 <212> TYPE: PRT
69 <213> ORGANISM: Artificial sequence
W--> 70 <220> FEATURE:
W--> 70 <223> OTHER INFORMATION:
E--> 70 <400> SEQUENCE: 7
71 Ser Thr Gly Val Leu Leu Pro Leu Gln Asn Asn Glu Leu Pro Gly Ala Glu Tyr Gln Tyr
72 1 5 10 15 20
E--> 74 <210> SEQ ID NO: SEQ ID NO: 8
75 <211> LENGTH: 9
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial sequence
W--> 78 <220> FEATURE:
W--> 78 <223> OTHER INFORMATION:
E--> 78 <400> SEQUENCE: 8
79 Ser Thr Gly Val Leu Leu Pro Leu Gln
80 1 5
E--> 82 <210> SEQ ID NO: SEQ ID NO: 9
83 <211> LENGTH: 8

```

See page 1

RAW SEQUENCE LISTING

DATE: 04/17/2003

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TIME: 09:53:29

Input Set : A:\SBI-042-CIP (SN 09-748,038) Nucleotide Sequence.txt

Output Set: N:\CRF4\04172003\I748038A.raw

84 <212> TYPE: PRT
85 <213> ORGANISM: Artificial sequence
W--> 86 <220> FEATURE:
W--> 87 <221> NAME/KEY: Xaa
88 <222> LOCATION: (7)...(7)
W--> 89 <223> OTHER INFORMATION:
E--> 89 <400> SEQUENCE: 9
90 Ser Gln Thr Leu Gln Phe Xaa Glu
91 1 5
E--> 93 <210> SEQ ID NO: SEQ ID NO: 10
94 <211> LENGTH: 8
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial sequence
W--> 97 <220> FEATURE:
W--> 97 <223> OTHER INFORMATION:
E--> 97 <400> SEQUENCE: 10
98 Ser Gln Thr Leu Gln Phe Asp Glu
99 1 5
E--> 101 <210> SEQ ID NO: SEQ ID NO: 11
102 <211> LENGTH: 4
103 <212> TYPE: PRT
104 <213> ORGANISM: Artificial sequence
W--> 105 <220> FEATURE:
W--> 105 <223> OTHER INFORMATION:
E--> 105 <400> SEQUENCE: 11
106 Val Tyr Ala Phe
107 1
E--> 109 <210> SEQ ID NO: SEQ ID NO: 12
110 <211> LENGTH: 14
111 <212> TYPE: PRT
112 <213> ORGANISM: Artificial sequence
W--> 113 <220> FEATURE:
W--> 113 <223> OTHER INFORMATION:
E--> 113 <400> SEQUENCE: 12
114 His Ala Gly Lys Tyr Ser Arg Glu Lys Asn Thr Pro Ala Pro
115 1 5 10
E--> 118 <210> SEQ ID NO: SEQ ID NO: 13
119 <211> LENGTH: 14
120 <212> TYPE: PRT
121 <213> ORGANISM: Artificial sequence
W--> 122 <220> FEATURE:
W--> 122 <223> OTHER INFORMATION:
E--> 122 <400> SEQUENCE: 13
123 His Gly Gly Lys Tyr Ser Arg Glu Lys Asn Gln Pro Lys Pro
124 1 5 10
E--> 126 <210> SEQ ID NO: SEQ ID NO: 14
127 <211> LENGTH: 9
128 <212> TYPE: PRT
129 <213> ORGANISM: Artificial sequence

See page 1

RAW SEQUENCE LISTING

DATE: 04/17/2003

PATENT APPLICATION: US/09/748,038A

TIME: 09:53:29

Input Set : A:\SBI-042-CIP (SN 09-748,038) Nucleotide Sequence.txt

Output Set: N:\CRF4\04172003\I748038A.raw

W--> 131 <220> FEATURE:
W--> 131 <223> OTHER INFORMATION:
E--> 131 <400> SEQUENCE: 14
132 Ser Gln Thr Leu Gln Phe Asp Glu Gln
133 1 5

E--> 135 <210> SEQ ID NO: SEQ ID NO: 15
136 <211> LENGTH: 8
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial sequence — Same

W--> 139 <220> FEATURE:
W--> 139 <223> OTHER INFORMATION:
E--> 139 <400> SEQUENCE: 15
140 Ser Leu Lys Pro Ser Asn His Ala
141 1 5

E--> 143 <210> SEQ ID NO: SEQ ID NO: 16
144 <211> LENGTH: 9
145 <212> TYPE: PRT
146 <213> ORGANISM: Artificial sequence

W--> 147 <220> FEATURE:
W--> 147 <223> OTHER INFORMATION:
E--> 147 <400> SEQUENCE: 16
148 Ala Ala Leu Arg Pro Leu Val Lys Pro
149 1 5

E--> 151 <210> SEQ ID NO: SEQ ID NO: 17
152 <211> LENGTH: 9
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial sequence

W--> 155 <220> FEATURE:
W--> 155 <223> OTHER INFORMATION:
E--> 155 <400> SEQUENCE: 17
156 Ala His Ile Gln Val Glu Arg Tyr Val
157 1 5

E--> 160 <210> SEQ ID NO: SEQ ID NO: 18
161 <211> LENGTH: 5
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial sequence

W--> 164 <220> FEATURE:
W--> 164 <223> OTHER INFORMATION:
E--> 164 <400> SEQUENCE: 18

165 Ala Ile Val Glu Arg
166 1 5

E--> 168 <210> SEQ ID NO: SEQ ID NO: 19
169 <211> LENGTH: 7
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial sequence

W--> 172 <220> FEATURE:
W--> 172 <223> OTHER INFORMATION:
E--> 172 <400> SEQUENCE: 19
173 His Gln Ser Asp Arg Tyr Val

RAW SEQUENCE LISTING

DATE: 04/17/2003

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TIME: 09:53:29

Input Set : A:\SBI-042-CIP (SN 09-748,038) Nucleotide Sequence.txt

Output Set: N:\CRF4\04172003\I748038A.raw

```

174 1          5
E--> 176 <210> SEQ ID NO: SEQ ID NO: 20
177 <211> LENGTH: 15
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial sequence
W--> 180 <220> FEATURE:
W--> 181 <221> NAME/KEY: Xaa
182 <222> LOCATION: (1)...(1)
W--> 183 <223> OTHER INFORMATION:
E--> 183 <400> SEQUENCE: 20
184 Xaa Ala Leu Phe Gly Ala Gln Leu Gly Xaa Ala Leu Gly Pro Ile
185 1          5          10          15
E--> 187 <210> SEQ ID NO: SEQ ID NO: 21
188 <211> LENGTH: 10
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial sequence
W--> 191 <220> FEATURE:
W--> 191 <223> OTHER INFORMATION:
E--> 191 <400> SEQUENCE: 21
192 Ser Gln Thr Leu Gln Phe Asp Glu Gln Thr
193 1          5          10
E--> 195 <210> SEQ ID NO: SEQ ID NO: 22
196 <211> LENGTH: 6
197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial sequence
W--> 199 <220> FEATURE:
W--> 200 <221> NAME/KEY: Xaa
201 <222> LOCATION: (5)...(5)
W--> 202 <223> OTHER INFORMATION:
E--> 202 <400> SEQUENCE: 22
203 Ser Gln Thr Leu Xaa Phe
204 1          5
E--> 206 <210> SEQ ID NO: SEQ ID NO: 23
207 <211> LENGTH: 6
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial sequence
W--> 210 <220> FEATURE:
W--> 210 <223> OTHER INFORMATION:
E--> 210 <400> SEQUENCE: 23
211 Ser Gln Thr Leu Gln Phe
212 1          5
E--> 214 <210> SEQ ID NO: SEQ ID NO: 24
215 <211> LENGTH: 13
216 <212> TYPE: PRT
217 <213> ORGANISM: Artificial sequence
W--> 218 <220> FEATURE:
W--> 218 <223> OTHER INFORMATION:
E--> 218 <400> SEQUENCE: 24
219 Val Leu Ala Thr Val Thr Lys Pro Val Gly Gly Asp Lys

```

Same

RAW SEQUENCE LISTING

DATE: 04/17/2003

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TIME: 09:53:29

Input Set : A:\SBI-042-CIP (SN 09-748,038) Nucleotide Sequence.txt

Output Set: N:\CRF4\04172003\I748038A.raw

220 1 5 10
E--> 222 <210> SEQ ID NO: (SEQ ID NO: 25)
223 <211> LENGTH: 4
224 <212> TYPE: PRT
225 <213> ORGANISM: (Artificial sequence)
W--> 226 <220> FEATURE:
W--> 226 <223> OTHER INFORMATION:
E--> 226 <400> SEQUENCE: 25 *Same*
227 Val Phe Ala Leu
228 1
E--> 230 <210> SEQ ID NO: (SEQ ID NO: 26)
231 <211> LENGTH: 10
232 <212> TYPE: PRT
233 <213> ORGANISM: (Artificial sequence)
W--> 234 <220> FEATURE:
W--> 234 <223> OTHER INFORMATION:
E--> 234 <400> SEQUENCE: 26
235 Ala Val Pro Gln Leu Gln Gly Tyr Leu Arg
236 1 5 10
E--> 238 <210> SEQ ID NO: (SEQ ID NO: 27)
239 <211> LENGTH: 10
240 <212> TYPE: PRT
241 <213> ORGANISM: (Artificial sequence)
W--> 242 <220> FEATURE:
W--> 242 <223> OTHER INFORMATION:
E--> 242 <400> SEQUENCE: 27
243 Ala Ile Pro Gln Leu Gln Gly Tyr Leu Arg
244 1 5 10
E--> 246 <210> SEQ ID NO: (SEQ ID NO: 28)
247 <211> LENGTH: 9
248 <212> TYPE: PRT
249 <213> ORGANISM: (Artificial sequence)
W--> 250 <220> FEATURE:
W--> 250 <223> OTHER INFORMATION:
E--> 250 <400> SEQUENCE: 28
251 Ala Leu Asp Ala Ala Tyr Cys Phe Arg
252 1 5
E--> 254 <210> SEQ ID NO: (SEQ ID NO: 29)
255 <211> LENGTH: 14
256 <212> TYPE: PRT
257 <213> ORGANISM: (Artificial sequence)
W--> 258 <220> FEATURE:
W--> 258 <223> OTHER INFORMATION:
E--> 258 <400> SEQUENCE: 29
259 Gly Tyr Asn Ala Asn Phe Cys Ala Gly Ala Cys Pro Tyr Leu
260 1 5 10
E--> 262 <210> SEQ ID NO: (SEQ ID NO: 30)
263 <211> LENGTH: 9
264 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 04/17/2003

PATENT APPLICATION: US/09/748,038A

TIME: 09:53:29

Input Set : A:\SBI-042-CIP (SN 09-748,038) Nucleotide Sequence.txt

Output Set: N:\CRF4\04172003\I748038A.raw

265 <213> ORGANISM: Artificial sequence
W--> 266 <220> FEATURE:
W--> 266 <223> OTHER INFORMATION:
E--> 266 <400> SEQUENCE: 30
267 Val Asn Ser Gln Ser Leu Ser Pro Tyr
268 1 5
E--> 270 <210> SEQ ID NO: SEQ ID NO: 31
271 <211> LENGTH: 8
272 <212> TYPE: PRT
273 <213> ORGANISM: Artificial sequence
W--> 274 <220> FEATURE:
W--> 274 <223> OTHER INFORMATION:
E--> 274 <400> SEQUENCE: 31
275 Lys Ala Ala Lys Pro Ser Val Pro
276 1 5

Same

DATE: 04/17/2003
TIME: 09:53:30

Input Set : A:\SBI-042-CIP (SN 09-748,038) Nucleotide Sequence.txt
Output Set: N:\CRF4\04172003\I748038A.raw

Use of <220> Feature (NEW RULES) :

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

```
Seq#:0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
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VERIFICATION SUMMARY

DATE: 04/17/2003

PATENT APPLICATION: US/09/748,038A

TIME: 09:53:30

Input Set : A:\SBI-042-CIP (SN 09-748,038) Nucleotide Sequence.txt

Output Set: N:\CRF4\04172003\I748038A.raw

L:7 M:283 W: Missing Blank Line separator, <120> field identifier
 L:8 M:283 W: Missing Blank Line separator, <130> field identifier
 L:9 M:283 W: Missing Blank Line separator, <140> field identifier
 L:13 M:283 W: Missing Blank Line separator, <160> field identifier
 L:15 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
 L:15 M:283 W: Missing Blank Line separator, <210> field identifier
 L:19 M:283 W: Missing Blank Line separator, <220> field identifier
 L:20 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:0
 L:22 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:1, <213>
 ORGANISM:Artificial sequence
 L:22 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:1
 L:22 M:283 W: Missing Blank Line separator, <400> field identifier
 L:22 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:22
 L:23 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
 L:26 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
 L:30 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>
 ORGANISM:Artificial sequence
 L:30 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>
 ORGANISM:Artificial sequence
 L:30 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:2
 L:30 M:283 W: Missing Blank Line separator, <400> field identifier
 L:30 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:30
 L:34 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
 L:38 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213>
 ORGANISM:Artificial sequence
 L:38 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213>
 ORGANISM:Artificial sequence
 L:38 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:3
 L:38 M:283 W: Missing Blank Line separator, <400> field identifier
 L:38 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:38
 L:42 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
 L:46 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213>
 ORGANISM:Artificial sequence
 L:46 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213>
 ORGANISM:Artificial sequence
 L:46 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:4
 L:46 M:283 W: Missing Blank Line separator, <400> field identifier
 L:46 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:46
 L:50 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
 L:54 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:5, <213>
 ORGANISM:Artificial sequence
 L:54 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213>
 ORGANISM:Artificial sequence
 L:54 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:5
 L:54 M:283 W: Missing Blank Line separator, <400> field identifier
 L:54 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:54
 L:58 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
 L:62 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:6, <213>
 ORGANISM:Artificial sequence
 L:62 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213>
 ORGANISM:Artificial sequence
 L:62 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:6
 L:62 M:283 W: Missing Blank Line separator, <400> field identifier

L:62 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:62
L:66 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:70 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:7, <213>
ORGANISM:Artificial sequence
L:70 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213>
ORGANISM:Artificial sequence
L:70 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:7
L:70 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY

DATE: 04/17/2003

PATENT APPLICATION: US/09/748,038A

TIME: 09:53:30

Input Set : A:\SBI-042-CIP (SN 09-748,038) Nucleotide Sequence.txt

Output Set: N:\CRF4\04172003\I748038A.raw

L:70 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:70
L:74 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:78 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:8, <213>
ORGANISM:Artificial sequence
L:78 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:8, <213>
ORGANISM:Artificial sequence
L:78 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:8
L:78 M:283 W: Missing Blank Line separator, <400> field identifier
L:78 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:78
L:82 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:86 M:283 W: Missing Blank Line separator, <220> field identifier
L:87 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:0
L:89 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:9, <213>
ORGANISM:Artificial sequence
L:89 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:9
L:89 M:283 W: Missing Blank Line separator, <400> field identifier
L:89 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:89
M:341 Repeated in SeqNo=0
L:93 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:97 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213>
ORGANISM:Artificial sequence
L:97 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>
ORGANISM:Artificial sequence
L:97 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:10
L:97 M:283 W: Missing Blank Line separator, <400> field identifier
L:97 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:97
L:101 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:105 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>
ORGANISM:Artificial sequence
L:105 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>
ORGANISM:Artificial sequence
L:105 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:11
L:105 M:283 W: Missing Blank Line separator, <400> field identifier
L:105 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:105
L:109 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:113 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial sequence
L:113 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial sequence
L:113 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:12
L:113 M:283 W: Missing Blank Line separator, <400> field identifier
L:113 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:113
L:118 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:122 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:13, <213>
ORGANISM:Artificial sequence
L:122 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213>
ORGANISM:Artificial sequence
L:122 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:13
L:122 M:283 W: Missing Blank Line separator, <400> field identifier
L:122 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:122
L:126 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:131 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial sequence

L:131 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial sequence
L:131 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:14
L:131 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:131
L:135 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:139 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:15, <213>
ORGANISM:Artificial sequence
L:139 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213>
ORGANISM:Artificial sequence
L:139 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:15
L:139 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY

DATE: 04/17/2003

PATENT APPLICATION: US/09/748,038A

TIME: 09:53:30

Input Set : A:\SBI-042-CIP (SN 09-748,038) Nucleotide Sequence.txt

Output Set: N:\CRF4\04172003\I748038A.raw

L:139 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:139
L:143 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:147 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial sequence
L:147 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial sequence
L:147 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:16
L:147 M:283 W: Missing Blank Line separator, <400> field identifier
L:147 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:147
L:151 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:155 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:17, <213>
ORGANISM:Artificial sequence
L:155 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:17, <213>
ORGANISM:Artificial sequence
L:155 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:17
L:155 M:283 W: Missing Blank Line separator, <400> field identifier
L:155 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:0,Line#:155
L:160 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:164 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:18, <213>
ORGANISM:Artificial sequence
L:164 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:18
L:164 M:283 W: Missing Blank Line separator, <400> field identifier
L:168 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:172 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:19
L:172 M:283 W: Missing Blank Line separator, <400> field identifier
L:176 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:180 M:283 W: Missing Blank Line separator, <220> field identifier
L:181 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:0
L:183 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:20
L:183 M:283 W: Missing Blank Line separator, <400> field identifier
L:187 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:191 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:21
L:191 M:283 W: Missing Blank Line separator, <400> field identifier
L:195 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:199 M:283 W: Missing Blank Line separator, <220> field identifier
L:200 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:0
L:202 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:22
L:202 M:283 W: Missing Blank Line separator, <400> field identifier
L:206 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:210 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:23
L:210 M:283 W: Missing Blank Line separator, <400> field identifier
L:214 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:218 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:24
L:218 M:283 W: Missing Blank Line separator, <400> field identifier
L:222 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:226 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:25
L:226 M:283 W: Missing Blank Line separator, <400> field identifier
L:234 M:283 W: Missing Blank Line separator, <400> field identifier
L:242 M:283 W: Missing Blank Line separator, <400> field identifier
L:250 M:283 W: Missing Blank Line separator, <400> field identifier
L:258 M:283 W: Missing Blank Line separator, <400> field identifier
L:266 M:283 W: Missing Blank Line separator, <400> field identifier
L:274 M:283 W: Missing Blank Line separator, <400> field identifier